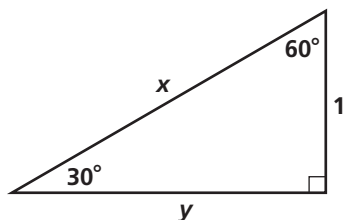


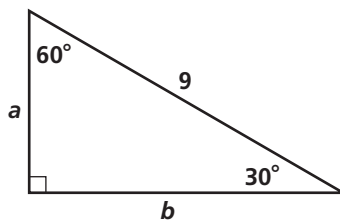
G.SRT.8.1 Special Right Triangles

Find the value of each variable. Leave your answers in simplest radical form.

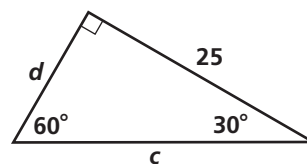
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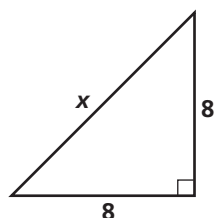
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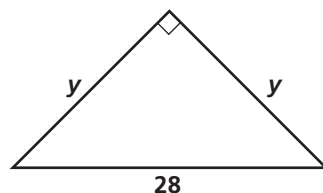
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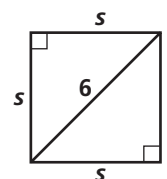
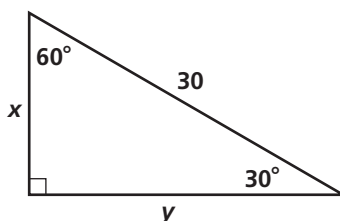
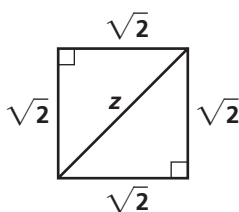
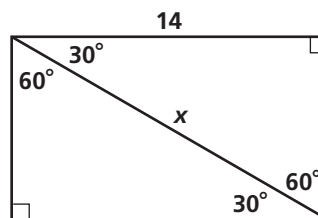
4.



5.



6.



10. Find the length to the nearest centimeter of the diagonal of a square 30 cm on a side.
11. The hypotenuse of an isosceles right triangle is 8.4 in. Find the length of a side to the nearest tenth of an inch.
12. In a 30°-60°-90° triangle, the shorter leg is 6 ft long. Find the length to the nearest tenth of a foot of the other two sides.
13. Each side of a rhombus is 14 in. long. Two of the sides form a 60° angle. Find the area of the rhombus. Round your answer to the nearest square inch.

Algebra Find the value of each variable. Leave your answers in simplest radical form.

